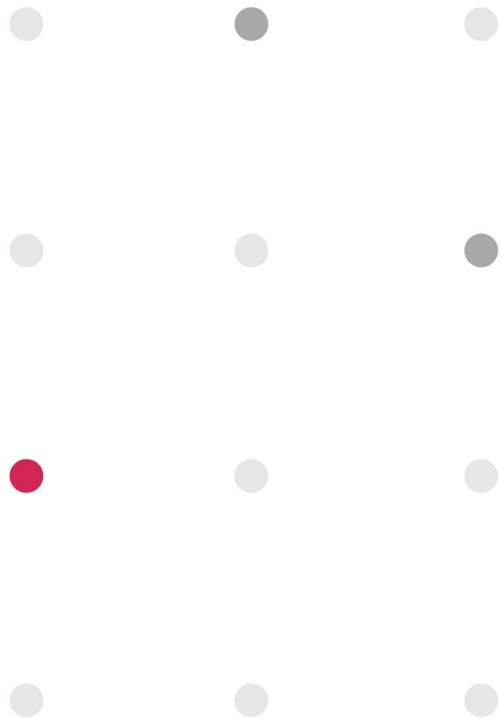


PSA

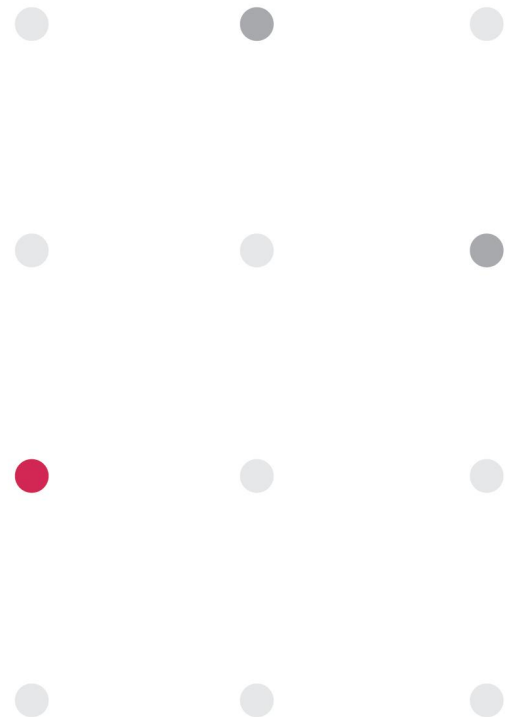
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.

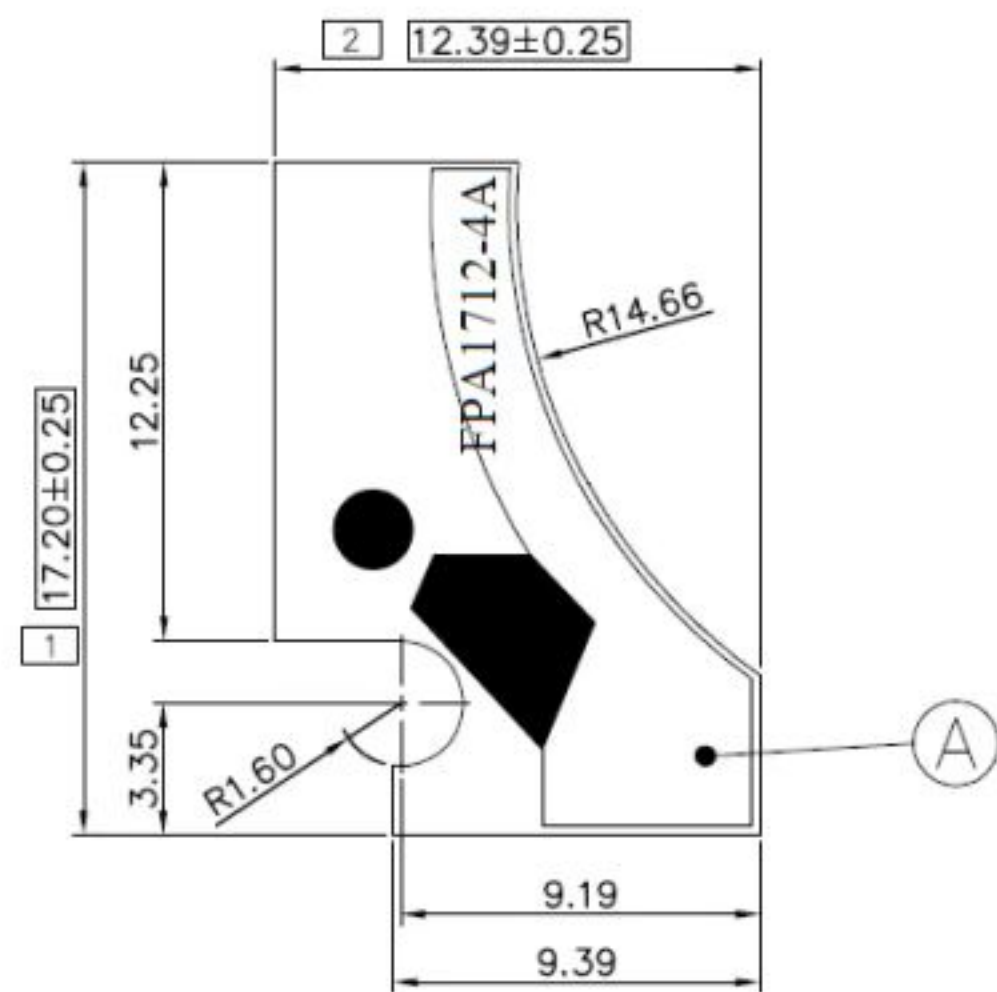


PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



Front
View



Back
View



东莞天翼-KH176I

Presented by

Junny

2024/ 06/ 28



Version	Date	Description	Author
V01	2024/06/28	New Release	Junny

OUTLINE

1. Measurement Information

1.1 Experimental Setup

1.2 Antenna Solution Detail

2. Antenna Characteristics

2.1 S-Parameter

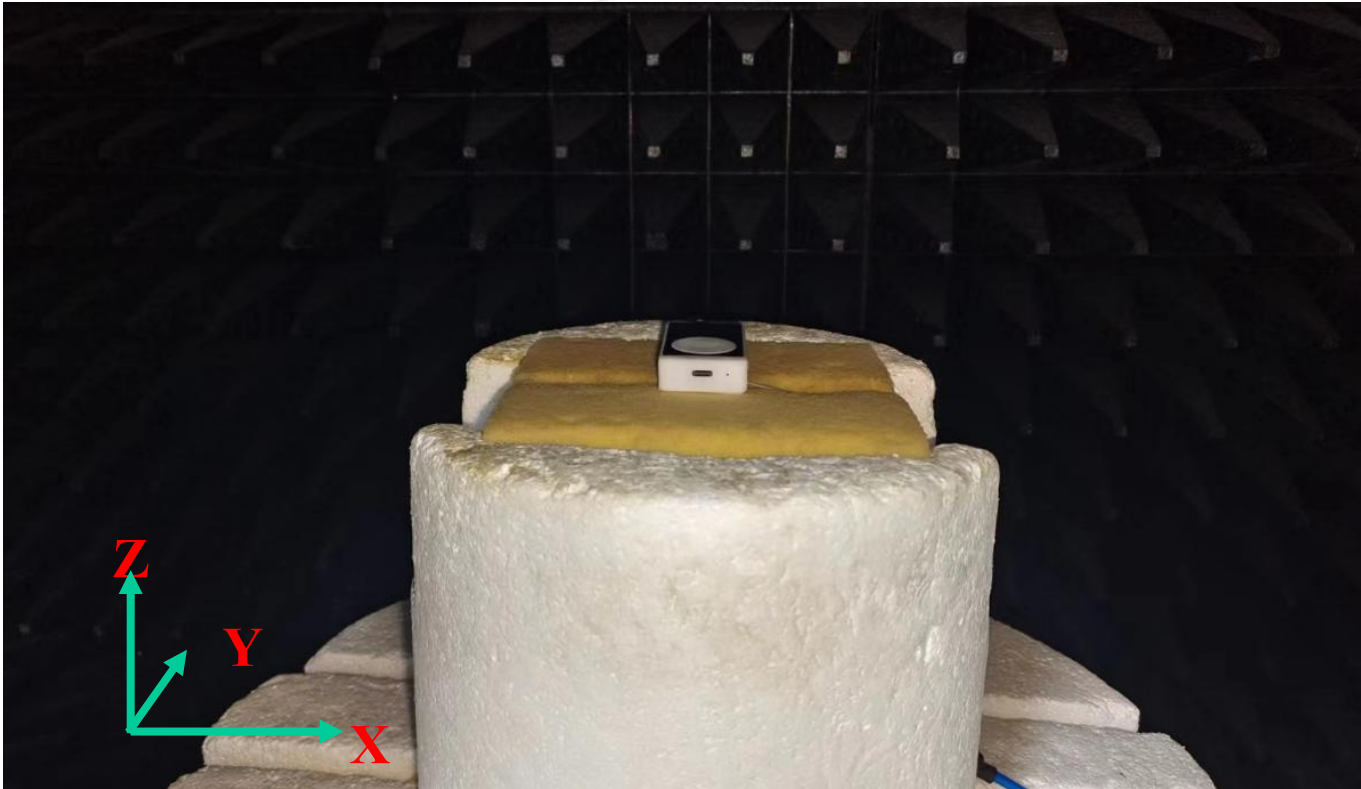
2.2 Antenna Efficiency and Peak Gain

2.3 3 views of antenna & 2D Radiation Patterns

3. Summary

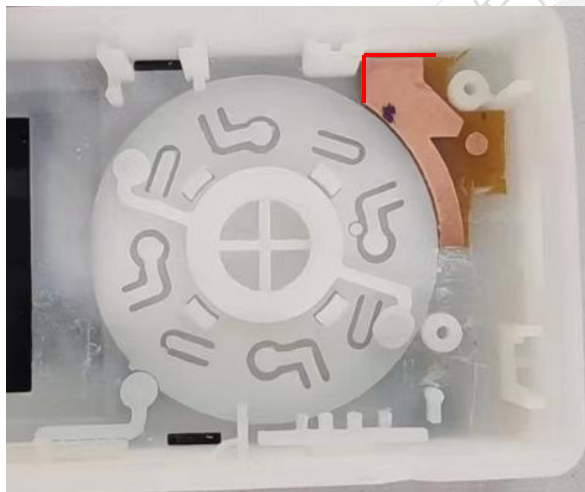
1. Measurement Information

1.1 Experimental Setup



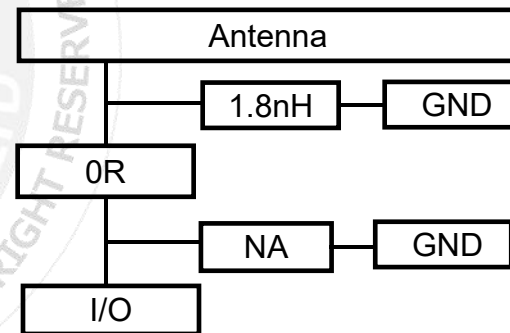
1. Measurement Information

1.2 Antenna Solution Detail



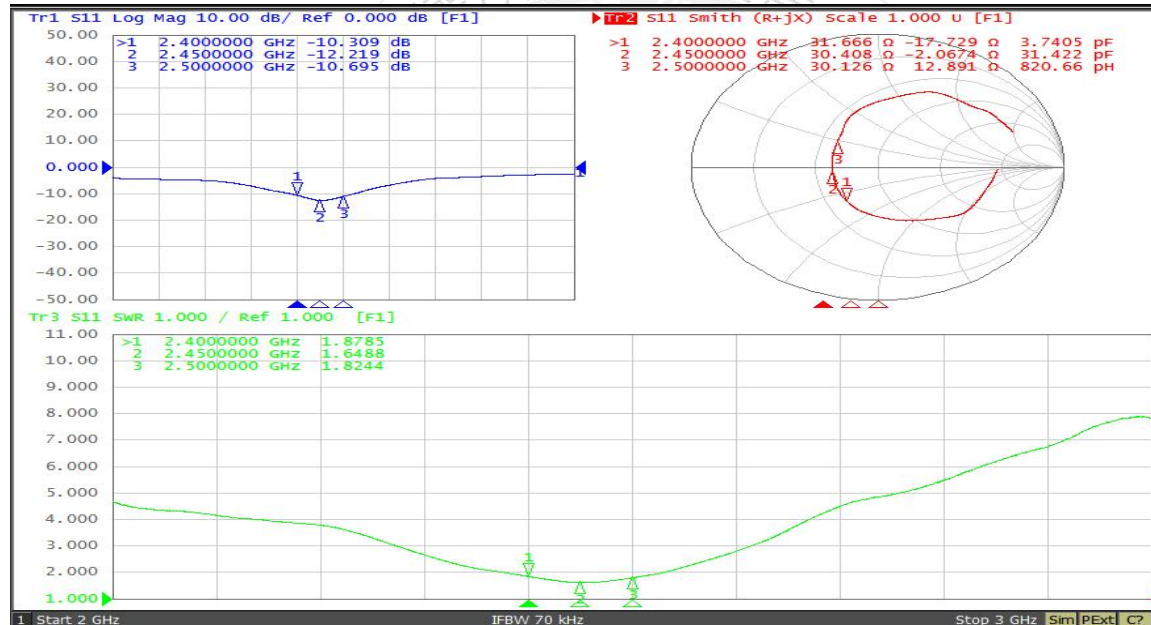
	對應料號
0 ohm	WR02X000PAL
1.8nH	WLCM0603Z0B1N8TB

Matching values



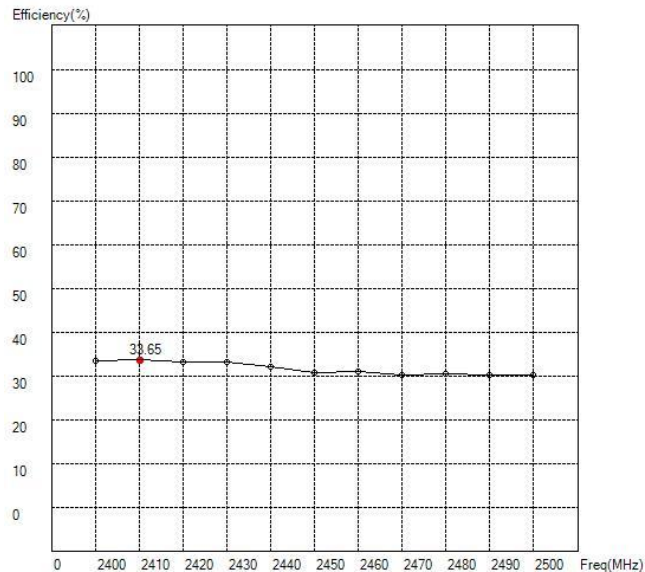
2. Antenna Characteristics

2.1 S-Parameter

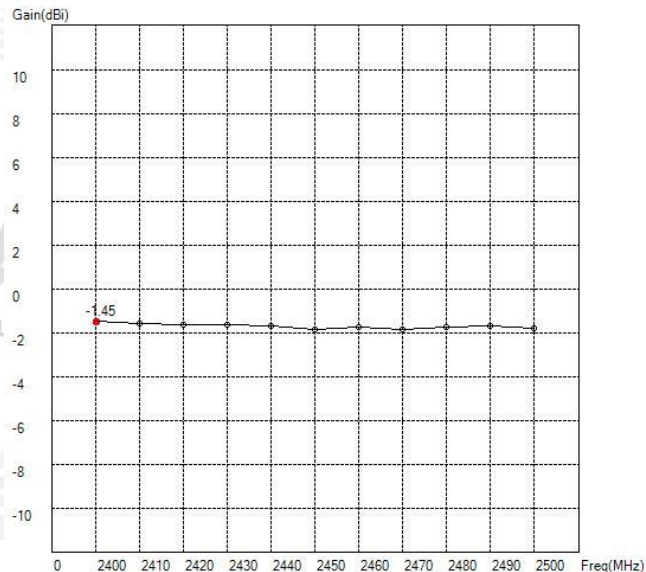


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2410MHz : 33.65%



Maximum Peak Gain at 2400MHz : -1.45 dBi

2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	ANT	
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2.4	33.43	-1.45
2.45	30.72	-1.84
2.5	30.2	-1.79

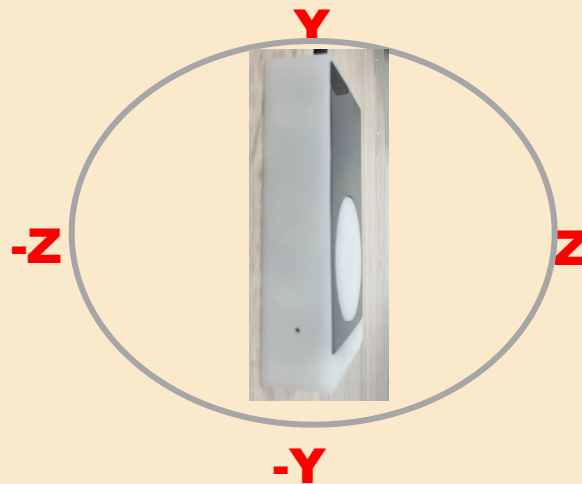
2. Antenna Characteristics

2.3 3 views of antenna

X-Z plane



Y-Z plane

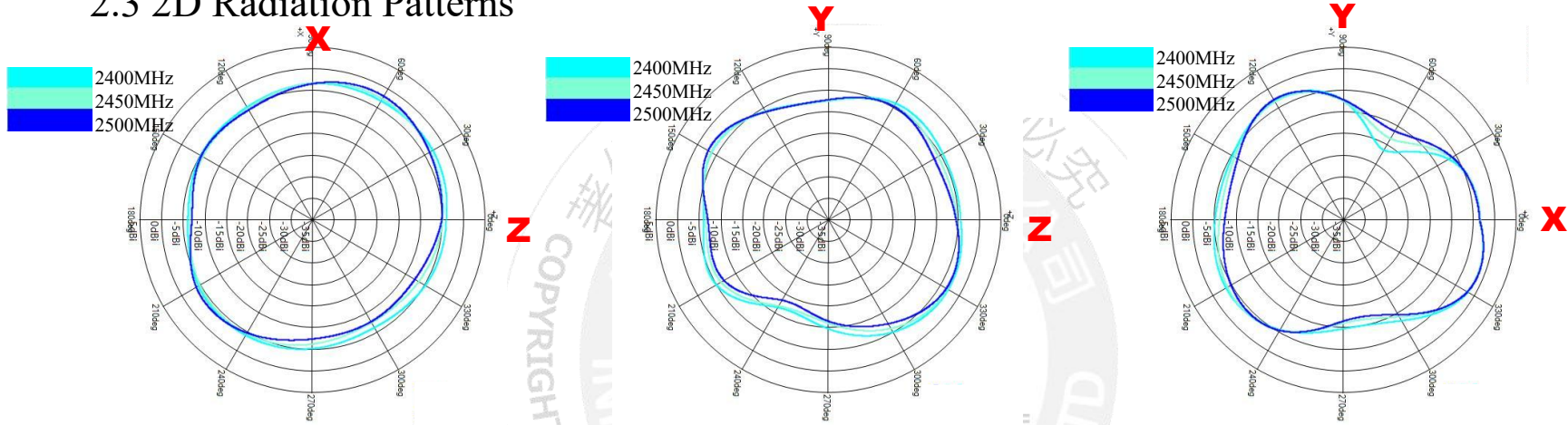


X-Y plane



2. Antenna Characteristics

2.3 2D Radiation Patterns

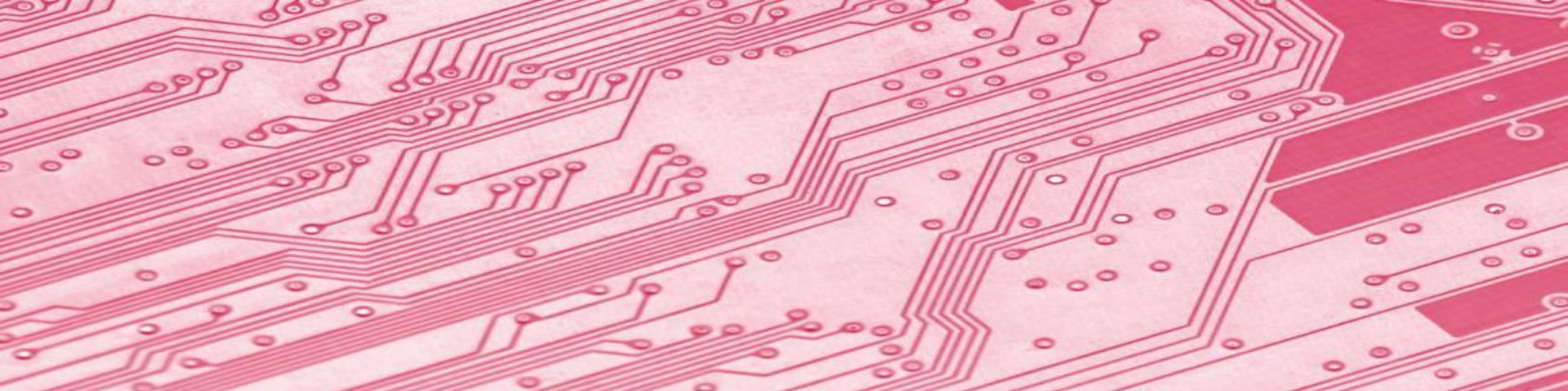


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-2.70	-4.13	-2.85	-5.23	-1.45	-5.21
2450	-2.54	-4.64	-3.08	-5.95	-1.84	-5.41
2500	-1.83	-4.70	-2.84	-6.35	-1.79	-5.53

3. Summary

- The performance of antennas is shown in table

	ANT
Maximum Efficiency (%)	33.65
Maximum Gain (dBi)	-1.45



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

WE CONNECT WE PROTECT **PSA**

Thank you

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